WHAT IS CLAIMED IS:

1.   A patient healthcare management system having a capability to evaluate patient kidney function, the system configured to:

receive input defining a patient's medical record including the patient's demographic information, medical condition and diagnosis;

calculate the patient's estimated glomerular filtration rate based on the patient's medical record;

output at least one medical treatment recommendation wherein the recommendation is based on the patient's medical record and estimated glomerular filtration rate; and

calculate and output at least one treatment goal for the patient.

2.   The system of claim 1 wherein the at least one treatment goal for the patient comprises at least one of:

a goal blood pressure, a goal lipid level, a goal cholesterol level and a goal hemoglobin A1C level.

3.   The system of claim 1 additionally configured to receive input specifying a treatment for the patient.

4.   The system of claim 1 additionally configured to output an indication as to whether, based on the patient's medical record, the at least one medical treatment goal has been met.

5.   The system of claim 1 wherein a plurality of clinical treatment algorithms are applied to the patient's medical record to generate the at least one treatment recommendation and the at least one patient treatment goal.

6.   The system of claim 1 additionally configured to:

receive input specifying a patient's current medication(s);

receive input specifying a new prescription for the patient; and

4   generate an alert if the prescribed medication may antagonize a

5   medication the patient is currently taking.

1   7.   The system of claim 1 further configured to:

2   receive input defining a plurality of patient medical records

3   comprising patient demographic information, medical condition, diagnosis and

4   treatment;

5   receive input defining at least one medical record parameter to extract

6   from the plurality of medical records; and

7   automatically generate a report containing an aggregate of the at least

8   one medical record parameter extracted from the plurality of medical records.

1   8.   The system of claim 7 further configured to receive input

2   defining a subset of the plurality of patient medical records from which to extract

3   the at least one medical record parameter.

1   9.   The system of claim 1 additionally configured to receive

2   input, for each patient encounter with his or her healthcare provider, defining the

3   patient encounter wherein each defined patient encounter is appended to the patient's

4   medical record.

1   10.   A computer-implemented patient healthcare management

2   method involving the evaluation of patient kidney function, the method comprising:

3   defining a patient's medical record including the patient's

4   demographic information, medical condition and diagnosis;

5   calculating the patient's estimated glomerular filtration rate based on

6   the patient's medical record;

7   automatically generating at least one medical treatment

8   recommendation based on the patient's medical record and estimated glomerular

9   filtration rate; and

10   calculating at least one treatment goal for the patient.

1   11.   The method of claim 10 wherein the at least one treatment

2   goal for the patient comprises at least one of a goal blood pressure level, a goal lipid

3   level, a goal cholesterol level and a goal hemoglobin AlC level.

1   12.   The method of claim 10 further comprising specifying a

2   treatment for the patient.

1   13.   The method of claim 10 further comprising indicating

2   whether, based on the patient's medical record, the at least one patient treatment

3   goal has been met.

1   14.   The method of claim 10 wherein a plurality of clinical

2   treatment algorithms are applied to the patient's medical record to generate the at

3   least one treatment recommendation and the at least one patient treatment goal.

1   15.   The method of claim 10 further comprising:

2   specifying the patient's current medications;

3   specifying a new prescription for the patient; and

4   generating an alert if the prescribed medication may antagonize a

5   medication the patient is currently taking.

1   16.   The method of claim 10 further comprising:

2   defining a plurality of patient medical records comprising patient

3   demographic information, medical condition, diagnosis and treatment;

4   defining at least one medical record parameter to extract from the

5   plurality of medical records; and

6   automatically generating a report containing an aggregate of the at

7   least one medical record parameter extracted from the plurality of medical records.

1   17.   The method of claim 16 further comprising defining a subset

2   of the plurality of patient medical records from which to extract the at least one

3   medical record parameter.

1   18.   The method of claim 10 further comprising defining each

2 patient encounter with his or her healthcare provider wherein the defined patient

3 encounter is appended to the patient's medical record.

1   19.   A computer-based system for interactively managing patient

2 healthcare and evaluating patient kidney function, the system comprising:

3   a means for defining a patient's medical record;

4   a means for establishing the patient's estimated glomerular filtration

5 rate based on the patient's medical record;

6   a means for generating at least one patient treatment recommendation

7 based on the patient's medical record and estimated glomerular filtration rate; and

8   a means for calculating at least one treatment goal for the patient.